

1 FOUNTAIN CONTROL FOR GENERATING DYNAMICALLY CHANGING
2 FLOW PATTERNS

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4 ABSTRACT

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6 A programmable fountain controller for varying the flow rate of an AC PMSM
7 fountain pump in a pre-determined manner so as to generate dynamically
8 changing flow patterns. A micro-controller is provided to vary the pulse width and
9 frequency timing over time for generating signals to an output switching circuit
10 that drives the pump. A mode switch provides user-settable modes of operation
11 selected from a group comprising a programmed flow control mode, a manual
12 flow setting mode, an audio input mode and an external data input/output mode.